# ROHAN GIRI

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## EDUCATION

**The University of Texas at Austin – McCombs School of Business** | Austin, TX                May 2025
Master of Science, Business Analytics | GPA: 4.0
- Coursework Includes: Advanced Machine Learning, Data Storytelling, Optimization, Data Science Programming

**SRM University – Department of Engineering** | Chennai, India                June 2020
Bachelor of Engineering in Electronics and Communication

## EXPERIENCE

**General Motors –** *Austin, Texas*
*Data Analyst – Capstone Project*                Dec 2024 - May 2025
- **Integrated and analyzed large datasets** (including **VIO data**, demographic factors, and **geospatial insights**) with **SQL** and **Python** to support GM's strategic planning for **EV infrastructure**.
- Created **predictive models** and **dashboards in Tableau**, providing actionable insights to drive **EV adoption** and infrastructure development.

**Accenture –** *Bangalore*, India                Jan 2021 - Jun 2024
*Data Analyst*
- Spearheaded development of custom data migration solutions for **Fortune 500 clients**, optimizing project delivery efficiency**,** resulting in improved client satisfaction and receiving **Rising Star Award** from ATCI Leadership
- Built and fine-tuned **ETL pipelines** using Python and SQL reducing data processing time and enabling **real-time insights** in production scheduling directly improving **decision-making accuracy by 45%** for US Manufacturing Plants
- **Developed predictive models** and dynamic dashboards in Power BI to forecast business trends and track KPIs, improving **demand forecasting by 20%** and **decision-making speed** with actionable insights for leadership

*Associate Software Engineer*
- Managed **high-priority production incidents**, collaborating with stakeholders to identify root causes and implement quick resolutions, ultimately saving the client **$30,000 in lost revenue**
- Led configuration, unit testing, and data analysis across 10+ manufacturing plants in Europe using Scrum-based sprints, identifying key inefficiencies and cutting production cycles by 2 days while streamlining logistics operations.
- Ensured adherence to **data governance** standards throughout all stages of data processing, ensuring data accuracy, security, and compliance with internal and external regulations, and enabling seamless data integration

## TECHNICAL PROJECTS

**YouTube Ad Placement Analytics |**Python, AWS                Dec 2024
- End-to-End cloud-based platform developed using AWS to optimize YouTube ad placements by analyzing viewer data, automating ETL with Lambda, Glue, and S3, and visualizing insights through QuickSight

**Maersk Supply Chain Dashboard |**Python, Gurobi, Powe BI                Oct 2024
- Designed and developed interactive dashboards for Maersk, optimizing shipment efficiency, reducing late shipments by 25%, and enhancing inventory management across global operations

**Machine Vision Enabled Tactical Scope |**Python, Computer Vision, ML                Dec 2019
- Designed and developed smart scope leveraging segmentation techniques to enhance visual analysis by
- Secured seed funding of $3K, leading to a **patent gran**t and protection, leading to Young Scientist Award

## PATENT

- A Machine Vision Enabled Tactical Scope  |Computer Vision, Deep Learning                August 2023

## SKILLS AND CERTIFICATIONS

- Programming Languages: SQL, Python (Pandas, NumPy, Matplotlib), R, Scala
- Technical Tools: Power BI, Tableau, Advanced Excel, Snowflake, Docker, Git, Apache Spark , Azure , JIRA , MySQL
- Certifications: Microsoft Azure Data Engineer Associate , Microsoft Data Fundamentals , Data Analysis by Microsoft, Deep Learning Specialization by Andrew NG  , Snowflake Data Warehouse